Bug1

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-1

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Revision ID (fixed version):

c6a4f55d1a9b191dbbd958c366091e567191ccab

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Revision date (fixed version):

2010-11-02 03:32:39 +0000

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Bug report id:

40

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Bug report url:

https://github.com/google/gson/issues/40

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Root cause in triggering tests:

- com.google.gson.functional.TypeVariableTest::testSingle

--> java.lang.UnsupportedOperationException: Expecting parameterized type, got class com.google.gson.functional.TypeVariableTest$Bar.

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.TypeInfoFactory

--------------------------------------------------------------------------------

Bug2

diff -r /tmp/Gson\_2b/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java /tmp/Gson\_2f/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java

833c833,836

< return (TypeAdapter<T2>) typeAdapter;

---

> return (TypeAdapter<T2>) new TypeAdapter<T1>() {

> @Override public void write(JsonWriter out, T1 value) throws IOException {

> typeAdapter.write(out, value);

> }

834a838,846

> @Override public T1 read(JsonReader in) throws IOException {

> T1 result = typeAdapter.read(in);

> if (result != null && !requestedType.isInstance(result)) {

> throw new JsonSyntaxException("Expected a " + requestedType.getName()

> + " but was " + result.getClass().getName());

> }

> return result;

> }

> };

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-2

--------------------------------------------------------------------------------

Revision ID (fixed version):

fe101c10bc3597d8e715a31d94d2cc0cc54b660f

--------------------------------------------------------------------------------

Revision date (fixed version):

2015-10-22 09:29:01 -0700

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Bug report id:

719

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Bug report url:

https://github.com/google/gson/pull/719

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Root cause in triggering tests:

- com.google.gson.functional.DefaultTypeAdaptersTest::testJsonElementTypeMismatch

--> java.lang.ClassCastException: Cannot cast com.google.gson.JsonPrimitive to com.google.gson.JsonObject

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.TypeAdapters

--------------------------------------------------------------------------------

Bug3

diff -r /tmp/Gson\_3b/gson/src/main/java/com/google/gson/internal/ConstructorConstructor.java /tmp/Gson\_3f/gson/src/main/java/com/google/gson/internal/ConstructorConstructor.java

35a36,39

> import java.util.concurrent.ConcurrentHashMap;

> import java.util.concurrent.ConcurrentMap;

> import java.util.concurrent.ConcurrentNavigableMap;

> import java.util.concurrent.ConcurrentSkipListMap;

175c179,191

< if (SortedMap.class.isAssignableFrom(rawType)) {

---

> if (ConcurrentNavigableMap.class.isAssignableFrom(rawType)) {

> return new ObjectConstructor<T>() {

> @Override public T construct() {

> return (T) new ConcurrentSkipListMap<Object, Object>();

> }

> };

> } else if (ConcurrentMap.class.isAssignableFrom(rawType)) {

> return new ObjectConstructor<T>() {

> @Override public T construct() {

> return (T) new ConcurrentHashMap<Object, Object>();

> }

> };

> } else if (SortedMap.class.isAssignableFrom(rawType)) {

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-3

--------------------------------------------------------------------------------

Revision ID (fixed version):

64107353a37e623ed1f8fecb4422c24212cf6fe1

--------------------------------------------------------------------------------

Revision date (fixed version):

2015-11-05 07:25:34 -0500

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Bug report id:

624

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Bug report url:

https://github.com/google/gson/issues/624

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Root cause in triggering tests:

- com.google.gson.functional.MapTest::testConcurrentMap

--> java.lang.ClassCastException: java.util.LinkedHashMap cannot be cast to java.util.concurrent.ConcurrentMap

- com.google.gson.functional.MapTest::testConcurrentNavigableMap

--> java.lang.ClassCastException: java.util.TreeMap cannot be cast to java.util.concurrent.ConcurrentNavigableMap

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.ConstructorConstructor

--------------------------------------------------------------------------------

Bug4

diff -r /tmp/Gson\_4b/gson/src/main/java/com/google/gson/stream/JsonReader.java /tmp/Gson\_4f/gson/src/main/java/com/google/gson/stream/JsonReader.java

574,576d573

< if (stackSize == 1) {

< checkLenient();

< }

584,586d580

< }

< if (stackSize == 1) {

< checkLenient();

diff -r /tmp/Gson\_4b/gson/src/main/java/com/google/gson/stream/JsonWriter.java /tmp/Gson\_4f/gson/src/main/java/com/google/gson/stream/JsonWriter.java

325c325

< beforeValue(true);

---

> beforeValue();

418c418

< beforeValue(false);

---

> beforeValue();

435c435

< beforeValue(false);

---

> beforeValue();

454c454

< beforeValue(false);

---

> beforeValue();

466c466

< beforeValue(false);

---

> beforeValue();

483c483

< beforeValue(false);

---

> beforeValue();

495c495

< beforeValue(false);

---

> beforeValue();

518c518

< beforeValue(false);

---

> beforeValue();

613c613

< private void beforeValue(boolean root) throws IOException {

---

> private void beforeValue() throws IOException {

622,625d621

< if (!lenient && !root) {

< throw new IllegalStateException(

< "JSON must start with an array or an object.");

< }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-4

--------------------------------------------------------------------------------

Revision ID (fixed version):

af68d70cd55826fa7149effd7397d64667ca264c

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-01-18 15:16:01 -0500

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Bug report id:

773

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Bug report url:

https://github.com/google/gson/pull/773

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.stream.JsonReaderTest::testTopLevelValueTypeWithSkipValue

--> com.google.gson.stream.MalformedJsonException: Use JsonReader.setLenient(true) to accept malformed JSON at line 1 column 1 path $

- com.google.gson.stream.JsonReaderTest::testTopLevelValueTypes

--> com.google.gson.stream.MalformedJsonException: Use JsonReader.setLenient(true) to accept malformed JSON at line 1 column 1 path $

- com.google.gson.stream.JsonWriterTest::testTopLevelValueTypes

--> java.lang.IllegalStateException: JSON must start with an array or an object.

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.stream.JsonReader

- com.google.gson.stream.JsonWriter

--------------------------------------------------------------------------------

Bug5

diff -r /tmp/Gson\_5b/gson/src/main/java/com/google/gson/internal/bind/util/ISO8601Utils.java /tmp/Gson\_5f/gson/src/main/java/com/google/gson/internal/bind/util/ISO8601Utils.java

213a214

> timezoneOffset = timezoneOffset.length() >= 5 ? timezoneOffset : timezoneOffset + "00";

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-5

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Revision ID (fixed version):

8383f5c7fa34ae68323fe2816ef8c1307b5d0f84

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-02-02 20:23:52 -0800

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Bug report id:

768

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/issues/768

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.DefaultDateTypeAdapterTest::testDateDeserializationISO8601

--> com.google.gson.JsonSyntaxException: 1970-01-01T01:00:00+01

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.util.ISO8601Utils

--------------------------------------------------------------------------------

Bug6

diff -r /tmp/Gson\_6b/gson/src/main/java/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java /tmp/Gson\_6f/gson/src/main/java/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

66a67

> if (typeAdapter != null) {

67a69

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-6

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Revision ID (fixed version):

dea305503ad8827121e8212248c271f1f2f90048

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-02-26 13:35:59 -0500

--------------------------------------------------------------------------------

Bug report id:

800

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/pull/800

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Root cause in triggering tests:

- com.google.gson.regression.JsonAdapterNullSafeTest::testNullSafeBugDeserialize

--> java.lang.NullPointerException

- com.google.gson.regression.JsonAdapterNullSafeTest::testNullSafeBugSerialize

--> java.lang.NullPointerException

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.JsonAdapterAnnotationTypeAdapterFactory

--------------------------------------------------------------------------------

Bug7

diff -r /tmp/Gson\_7b/gson/src/main/java/com/google/gson/stream/JsonReader.java /tmp/Gson\_7f/gson/src/main/java/com/google/gson/stream/JsonReader.java

954c954,957

< } else if (p == PEEKED\_SINGLE\_QUOTED || p == PEEKED\_DOUBLE\_QUOTED) {

---

> } else if (p == PEEKED\_SINGLE\_QUOTED || p == PEEKED\_DOUBLE\_QUOTED || p == PEEKED\_UNQUOTED) {

> if (p == PEEKED\_UNQUOTED) {

> peekedString = nextUnquotedValue();

> } else {

955a959

> }

1182c1186,1189

< } else if (p == PEEKED\_SINGLE\_QUOTED || p == PEEKED\_DOUBLE\_QUOTED) {

---

> } else if (p == PEEKED\_SINGLE\_QUOTED || p == PEEKED\_DOUBLE\_QUOTED || p == PEEKED\_UNQUOTED) {

> if (p == PEEKED\_UNQUOTED) {

> peekedString = nextUnquotedValue();

> } else {

1183a1191

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-7

--------------------------------------------------------------------------------

Revision ID (fixed version):

2b08c88c09d14e0b1a68a982bab0bb18206df76b

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-03-12 15:51:22 -0500

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Bug report id:

604

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Bug report url:

https://github.com/google/gson/issues/604

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.functional.MapTest::testMapDeserializationWithUnquotedLongKeys

--> com.google.gson.JsonSyntaxException: java.lang.IllegalStateException: Expected a long but was STRING at line 1 column 2 path $.

- com.google.gson.functional.MapTest::testMapDeserializationWithUnquotedIntegerKeys

--> com.google.gson.JsonSyntaxException: java.lang.IllegalStateException: Expected an int but was STRING at line 1 column 2 path $.

- com.google.gson.stream.JsonReaderTest::testPeekingUnquotedStringsPrefixedWithIntegers

--> java.lang.IllegalStateException: Expected an int but was STRING at line 1 column 2 path $[0]

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.stream.JsonReader

--------------------------------------------------------------------------------

Bug8

diff -r /tmp/Gson\_8b/gson/src/main/java/com/google/gson/internal/UnsafeAllocator.java /tmp/Gson\_8f/gson/src/main/java/com/google/gson/internal/UnsafeAllocator.java

22a23

> import java.lang.reflect.Modifier;

47a49

> assertInstantiable(c);

70a73

> assertInstantiable(c);

89a93

> assertInstantiable(c);

109a114,122

> private static void assertInstantiable(Class<?> c) {

> int modifiers = c.getModifiers();

> if (Modifier.isInterface(modifiers)) {

> throw new UnsupportedOperationException("Interface can't be instantiated! Interface name: " + c.getName());

> }

> if (Modifier.isAbstract(modifiers)) {

> throw new UnsupportedOperationException("Abstract class can't be instantiated! Class name: " + c.getName());

> }

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-8

--------------------------------------------------------------------------------

Revision ID (fixed version):

0f66f4fac441f7d7d7bc4afc907454f3fe4c0faa

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-04-22 06:47:08 -1000

--------------------------------------------------------------------------------

Bug report id:

817

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/issues/817

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.internal.UnsafeAllocatorInstantiationTest::testInterfaceInstantiation

--> junit.framework.AssertionFailedError: expected:<class java.lang.reflect.InvocationTargetException> but was:<class java.lang.UnsupportedOperationException>

- com.google.gson.internal.UnsafeAllocatorInstantiationTest::testAbstractClassInstantiation

--> junit.framework.AssertionFailedError: expected:<class java.lang.reflect.InvocationTargetException> but was:<class java.lang.UnsupportedOperationException>

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.UnsafeAllocator

--------------------------------------------------------------------------------

Bug9

diff -r /tmp/Gson\_9b/gson/src/main/java/com/google/gson/internal/bind/JsonTreeWriter.java /tmp/Gson\_9f/gson/src/main/java/com/google/gson/internal/bind/JsonTreeWriter.java

161a162,168

> @Override public JsonWriter value(Boolean value) throws IOException {

> if (value == null) {

> return nullValue();

> }

> put(new JsonPrimitive(value));

> return this;

> }

diff -r /tmp/Gson\_9b/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java /tmp/Gson\_9f/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java

165,168d164

< if (value == null) {

< out.nullValue();

< return;

< }

diff -r /tmp/Gson\_9b/gson/src/main/java/com/google/gson/stream/JsonWriter.java /tmp/Gson\_9f/gson/src/main/java/com/google/gson/stream/JsonWriter.java

475a476,484

> public JsonWriter value(Boolean value) throws IOException {

> if (value == null) {

> return nullValue();

> }

> writeDeferredName();

> beforeValue();

> out.write(value ? "true" : "false");

> return this;

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-9

--------------------------------------------------------------------------------

Revision ID (fixed version):

874e74a3072f7ff0d2533296698ad126321516d1

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-04-22 14:54:25 -1000

--------------------------------------------------------------------------------

Bug report id:

836

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/pull/836

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.stream.JsonWriterTest::testBoxedBooleans

--> java.lang.NullPointerException

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.JsonTreeWriter

- com.google.gson.internal.bind.TypeAdapters

- com.google.gson.stream.JsonWriter

--------------------------------------------------------------------------------

Bug10

diff -r /tmp/Gson\_10b/gson/src/main/java/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java /tmp/Gson\_10f/gson/src/main/java/com/google/gson/internal/bind/ReflectiveTypeAdapterFactory.java

122,123c122,123

< TypeAdapter t =

< new TypeAdapterRuntimeTypeWrapper(context, typeAdapter, fieldType.getType());

---

> TypeAdapter t = jsonAdapterPresent ? typeAdapter

> : new TypeAdapterRuntimeTypeWrapper(context, typeAdapter, fieldType.getType());

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-10

--------------------------------------------------------------------------------

Revision ID (fixed version):

bb451eac43313ae08b30ac0916718ca00c39656d

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-05-17 17:26:52 -0400

--------------------------------------------------------------------------------

Bug report id:

831

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/issues/831

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.functional.JsonAdapterAnnotationOnFieldsTest::testPrimitiveFieldAnnotationTakesPrecedenceOverDefault

--> junit.framework.ComparisonFailure: expected:<{"part":["42"]}> but was:<{"part":[42]}>

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.ReflectiveTypeAdapterFactory

--------------------------------------------------------------------------------

Bug11

diff -r /tmp/Gson\_11b/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java /tmp/Gson\_11f/gson/src/main/java/com/google/gson/internal/bind/TypeAdapters.java

370a371

> case STRING:

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-11

--------------------------------------------------------------------------------

Revision ID (fixed version):

44cad04a639b3a53f4205f93acda37b3f7d10871

--------------------------------------------------------------------------------

Revision date (fixed version):

2016-11-25 23:40:14 -0800

--------------------------------------------------------------------------------

Bug report id:

964

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/pull/964

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.functional.PrimitiveTest::testNumberAsStringDeserialization

--> com.google.gson.JsonSyntaxException: Expecting number, got: STRING

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.TypeAdapters

--------------------------------------------------------------------------------

Bug12

diff -r /tmp/Gson\_12b/gson/src/main/java/com/google/gson/internal/bind/JsonTreeReader.java /tmp/Gson\_12f/gson/src/main/java/com/google/gson/internal/bind/JsonTreeReader.java

261a262

> if (stackSize > 0) {

262a264

> }

263a266

> if (stackSize > 0) {

264a268

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-12

--------------------------------------------------------------------------------

Revision ID (fixed version):

9e6f2bab20257b6823a5b753739f047d79e9dcbd

--------------------------------------------------------------------------------

Revision date (fixed version):

2017-02-15 18:41:39 -0800

--------------------------------------------------------------------------------

Bug report id:

1013

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/issues/1013

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.internal.bind.JsonTreeReaderTest::testSkipValue\_filledJsonObject

--> java.lang.ArrayIndexOutOfBoundsException: -1

- com.google.gson.internal.bind.JsonTreeReaderTest::testSkipValue\_emptyJsonObject

--> java.lang.ArrayIndexOutOfBoundsException: -1

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.internal.bind.JsonTreeReader

--------------------------------------------------------------------------------

Bug13

diff -r /tmp/Gson\_13b/gson/src/main/java/com/google/gson/stream/JsonReader.java /tmp/Gson\_13f/gson/src/main/java/com/google/gson/stream/JsonReader.java

731c731

< if (last == NUMBER\_CHAR\_DIGIT && fitsInLong && (value != Long.MIN\_VALUE || negative)) {

---

> if (last == NUMBER\_CHAR\_DIGIT && fitsInLong && (value != Long.MIN\_VALUE || negative) && (value!=0 || false==negative)) {

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

--------------------------------------------------------------------------------

Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

--------------------------------------------------------------------------------

Summary for Bug: Gson-13

--------------------------------------------------------------------------------

Revision ID (fixed version):

9a2421997e83ec803c88ea370a2d102052699d3b

--------------------------------------------------------------------------------

Revision date (fixed version):

2017-04-19 14:26:36 -0700

--------------------------------------------------------------------------------

Bug report id:

1053

--------------------------------------------------------------------------------

Bug report url:

https://github.com/google/gson/issues/1053

--------------------------------------------------------------------------------

Root cause in triggering tests:

- com.google.gson.stream.JsonReaderTest::testNegativeZero

--> junit.framework.ComparisonFailure: expected:<[-]0> but was:<[]0>

--------------------------------------------------------------------------------

List of modified sources:

- com.google.gson.stream.JsonReader

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Bug14

diff -r /tmp/Gson\_14b/gson/src/main/java/com/google/gson/internal/$Gson$Types.java /tmp/Gson\_14f/gson/src/main/java/com/google/gson/internal/$Gson$Types.java

78a79,81

> if (bound instanceof WildcardType) {

> upperBounds = ((WildcardType) bound).getUpperBounds();

> } else {

79a83

> }

89a94,96

> if (bound instanceof WildcardType) {

> lowerBounds = ((WildcardType) bound).getLowerBounds();

> } else {

90a98

> }

Summary of configuration for Project: Gson

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Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-14

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Revision ID (fixed version):

a300148003e3a067875b1444e8268b6e0f0e0e02

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Revision date (fixed version):

2017-05-30 17:47:04 -0700

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Bug report id:

1074

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Bug report url:

https://github.com/google/gson/issues/1074

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Root cause in triggering tests:

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testDoubleSupertype

--> junit.framework.AssertionFailedError: expected:<? super java.lang.Number> but was:<? super ? super java.lang.Number>

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testIssue440WeakReference

--> java.lang.StackOverflowError

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testSubSupertype

--> junit.framework.AssertionFailedError: expected:<?> but was:<? extends ? super java.lang.Number>

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testDoubleSubtype

--> junit.framework.AssertionFailedError: expected:<? extends java.lang.Number> but was:<? extends ? extends java.lang.Number>

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testIssue603PrintStream

--> java.lang.StackOverflowError

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testSuperSubtype

--> junit.framework.AssertionFailedError: expected:<?> but was:<? super ? extends java.lang.Number>

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testRecursiveResolveSimple

--> java.lang.StackOverflowError

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List of modified sources:

- com.google.gson.internal.$Gson$Types

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Bug15

diff -r /tmp/Gson\_15b/gson/src/main/java/com/google/gson/stream/JsonWriter.java /tmp/Gson\_15f/gson/src/main/java/com/google/gson/stream/JsonWriter.java

495c495

< if (Double.isNaN(value) || Double.isInfinite(value)) {

---

> if (!lenient && (Double.isNaN(value) || Double.isInfinite(value))) {

Summary of configuration for Project: Gson

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Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-15

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Revision ID (fixed version):

ada597e69a78b8b99f79f79493cbf51e16045202

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Revision date (fixed version):

2017-05-31 09:50:44 -0700

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Bug report id:

1090

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Bug report url:

https://github.com/google/gson/issues/1090

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Root cause in triggering tests:

- com.google.gson.stream.JsonWriterTest::testNonFiniteDoublesWhenLenient

--> java.lang.IllegalArgumentException: Numeric values must be finite, but was NaN

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List of modified sources:

- com.google.gson.stream.JsonWriter

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Bug16

diff -r /tmp/Gson\_16b/gson/src/main/java/com/google/gson/internal/$Gson$Types.java /tmp/Gson\_16f/gson/src/main/java/com/google/gson/internal/$Gson$Types.java

341a342

> if (visitedTypeVariables.contains(typeVariable)) {

342a344,347

> return toResolve;

> } else {

> visitedTypeVariables.add(typeVariable);

> }

Summary of configuration for Project: Gson

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Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-16

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Revision ID (fixed version):

03a72e752ef68269990f984c9fd613cfd59224bc

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Revision date (fixed version):

2017-07-31 10:50:29 -0700

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Bug report id:

1128

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Bug report url:

https://github.com/google/gson/pull/1128

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Root cause in triggering tests:

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testRecursiveTypeVariablesResolve12

--> java.lang.StackOverflowError

- com.google.gson.internal.bind.RecursiveTypesResolveTest::testRecursiveTypeVariablesResolve1

--> java.lang.StackOverflowError

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List of modified sources:

- com.google.gson.internal.$Gson$Types

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Bug17

diff -r /tmp/Gson\_17b/gson/src/main/java/com/google/gson/DefaultDateTypeAdapter.java /tmp/Gson\_17f/gson/src/main/java/com/google/gson/DefaultDateTypeAdapter.java

99,100c99,101

< if (in.peek() != JsonToken.STRING) {

< throw new JsonParseException("The date should be a string value");

---

> if (in.peek() == JsonToken.NULL) {

> in.nextNull();

> return null;

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

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Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-17

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Revision ID (fixed version):

7a9fd5962dce7f277efa15fcc996606be0733bac

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Revision date (fixed version):

2017-09-17 23:49:13 -0700

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Bug report id:

1100

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Bug report url:

https://github.com/google/gson/pull/1100

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Root cause in triggering tests:

- com.google.gson.DefaultDateTypeAdapterTest::testUnexpectedToken

--> com.google.gson.JsonParseException: The date should be a string value

- com.google.gson.DefaultDateTypeAdapterTest::testNullValue

--> com.google.gson.JsonParseException: The date should be a string value

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List of modified sources:

- com.google.gson.DefaultDateTypeAdapter

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Bug18

diff -r /tmp/Gson\_18b/gson/src/main/java/com/google/gson/internal/$Gson$Types.java /tmp/Gson\_18f/gson/src/main/java/com/google/gson/internal/$Gson$Types.java

277a278

> if (context instanceof WildcardType) {

278a280,281

> context = ((WildcardType)context).getUpperBounds()[0];

> }

Summary of configuration for Project: Gson

--------------------------------------------------------------------------------

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Gson

Program: gson

Build file: /defects4j/framework/projects/Gson/Gson.build.xml

--------------------------------------------------------------------------------

Vcs: Vcs::Git

Repository: /defects4j/project\_repos/gson.git

Commit db: /defects4j/framework/projects/Gson/active-bugs.csv

Number of bugs: 18

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Summary for Bug: Gson-18

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Revision ID (fixed version):

b1fb9ca9a1bea5440bc6a5b506ccf67236b08243

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Revision date (fixed version):

2017-09-21 17:50:41 -0700

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Bug report id:

1107

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Bug report url:

https://github.com/google/gson/issues/1107

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Root cause in triggering tests:

- com.google.gson.functional.CollectionTest::testIssue1107

--> java.lang.ClassCastException: com.google.gson.internal.LinkedTreeMap cannot be cast to com.google.gson.functional.CollectionTest$SmallClass

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List of modified sources:

- com.google.gson.internal.$Gson$Types

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